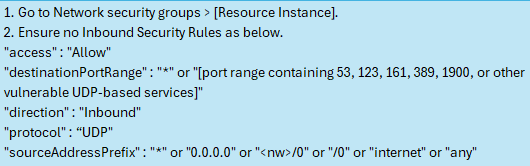
**Azure Policy**

Please refer to [Azure Policy definition structure basics](https://learn.microsoft.com/en-us/azure/governance/policy/concepts/definition-structure-basics) to understand about the resource compliance conditions & effects. Implement & walkthrough a custom policy to meet the following requirement.

* 1. Ensure UDP access from Internet is blocked in the NSG rules by default, as follows.



**Resource Graph Query**

Please refer to [Advanced Resource Graph query samples](https://learn.microsoft.com/en-us/azure/governance/resource-graph/samples/advanced?tabs=azure-cli). Write a Resource Graph query which summarizes the count of Storage Accounts been encrypted with CMK grouped by BusinessUnit tag (BusinessUnit tag only present at Resource Group level).

**PowerShell Script**

1. Implement a Powershell script to set all Azure Key Vault’s keys & secrets to expire in 2 years’ time.
2. Make sure we have [Azure PowerShell](https://learn.microsoft.com/en-us/powershell/azure/install-azure-powershell?view=azps-13.0.0) installed.
3. Create a keyvault with keys, secrets, and certificates for testing.

A screen shot of a computer

Description automatically generated

1. Run the set\_keyvault\_expiry.ps1 script.

A screenshot of a computer program

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A screenshot of a computer

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A screenshot of a computer

Description automatically generated

* Disabled keys and secrets are skipped
* Keys and secrets related to certificates are skipped

**Improvements**

* Add in error handling
* Tune the performance if there are a lot of key values, secrets and keys to change
* Refactor the code to make it more modular

***Notes***

Code repository is available here - [alpha2phi/azure-techn-q: Azure technical questions](https://github.com/alpha2phi/azure-techn-q)

***Disclaimer****: Scripts and code generated with the help of ChatGPT.*